

**ENGINEERING AND RELATED SERVICES  
JUNE 18, 2010**

**STATE PROJECT NO. 840-43-0001 (CE&I)  
F.A.P. NO. BR-0203(600)  
FORT BUHLOW BRIDGE AND APPROACHES  
ROUTES US 71 AND US 165  
RAPIDES PARISH**

Under Authority granted by Title 48 of Louisiana Revised Statutes, the Louisiana Department of Transportation and Development (DOTD) hereby issues a Request for Qualification Statements (RFQ) on Standard Form 24-102 (SF 24-102), "Professional Engineering and Related Services", revised January 2003, from Consulting Firms (Consultant) to provide engineering and related services. **All requirements of Louisiana Professional Engineering and Land Surveying (LAPELS) Board must be met at the time of submittal.** One Prime-Consultant/Sub-Consultant(s) (Consultant/Team) will be selected for this Contract.

**DOTD Coordinator** – Mr. Troy Roussell

All inquiries concerning this advertisement should be sent in writing to Debbie.Guest@LA.gov.

**PROJECT DESCRIPTION**

The Contract/Team will be required to provide construction contract administration and construction inspection services. The Contract will be between the Consultant and the DOTD. It will be monitored by the DOTD and the Federal Highway Administration (FHWA).

**SCOPE OF SERVICES**

**STAGE 5: CONSTRUCTION**

**Part III: Construction Engineering and Inspection (CE&I)**

The Consultant/Team will perform all construction engineering and inspection services (CE&I) required for the construction of US 71/US/165 between I-49 in Alexandria, LA and the US71/US165 split in Pineville, LA. The project consists of Widening, Re-Construction and Re-Alignment of Existing Roadway and Bridges; Grading, Drainage Structures, Class II Base Course, P.C. Concrete and Asphaltic Pavement Alternates, Asphaltic Concrete Shoulders, Concrete and Steel Girder Bridges, MSE walls, Pavement Markings, Traffic Signals and other related work. Perform all services in accordance with DOTD's Standards and Procedures (see References). Upon request, DOTD will make available copies of these documents. The DOTD will assign a project engineer from its

District 08 Office to serve as a construction coordinator for the DOTD during project construction.

The Consultant shall perform the various tasks under this contract for Stage 5, Part III, include but are not limited to the following:

1. Coordinate with DOTD District personnel, contractor, and other parties to schedule and attend the Pre-construction Meeting. Consultant will be required to conduct the meeting.
2. Maintain all construction field records; make daily entries in the project diary (DWR) to indicate the Consultant's personnel and Contractor's personnel present on the job site, the Contractor's personnel and equipment being utilized on the project, the work being accepted, the acceptability of traffic control, and the charging of contract time utilizing the site manager system.
3. Coordinate with the DOTD and appropriate utility representative for all relocations/adjustments of utility facilities for the construction of work site.
4. Provide all necessary personnel, equipment, and materials; such as cylinder molds, etc., to perform the required field-testing for quality assurance in accordance with the latest DOTD Sampling and Testing Manual.
5. Collect and submit all sampled materials for testing to the DOTD District 08 Testing Laboratory, in accordance with the stipulated Sampling Manual.
6. Inspect the contractor's construction and operations (daily) to ensure that all work performed is in accordance with the specified plans and specifications.
7. Keep clear and concise records of the contractual operations, prepare monthly pay estimates, and make weekly progress reports consisting of percent complete, percent time elapsed, approved change order amounts, and number of change orders to the DOTD District 08 Coordinator. Inspection of construction will not include shop and mill inspections and their approval.
8. Prepare the entire final estimate package, including Form 2059 – "Summary of Test Results" in conformance with DOTD requirements.
9. The consultant will be responsible for submittal approvals required of the Project Engineer as stated in the Standard Specifications including form drawings.
10. All construction activities shall be coordinated between the Consultant, the assigned representative of the DOTD, and the FHWA. All work standards, methods of reporting, and documentation of pay quantities will be in accordance with the policies and procedures of the DOTD. Submit all partial and final construction estimates, and other information on forms approved by the DOTD.
11. The Consultant shall perform all documentation, as prescribed by the Department, on the Department's construction software, SiteManager, and any future Content Manager procedures. The Consultant shall provide computer hardware, i.e., computers, printers, internet connections, scanners, etc. deemed necessary to the inspection services.
12. The Consultant may be required to conduct non-reimbursable training sessions for his personnel to receive instructions into the use of SiteManager (approximately four hours). DOTD will provide a qualified instructor for this training.

13. The Consultant shall be available for conferences, visits to jobsites, and/or inspections by DOTD and other authorized representatives.
14. The Consultant shall be required to submit "As-Built" plans with the final estimate. "As-Built" plans are to reflect all changes made from the original plans. Make all changes to the plans in red.
15. When stipulated by the Project Specifications, that approval by DOTD is required for material, equipment, and/or construction procedures, follow DOTD policies for obtaining such approval.
16. All construction inspection personnel utilized by the Consultant must meet and retain the same qualification and certification requirements as required of DOTD construction personnel.
17. The Contractor will perform construction layout, and the Consultant will perform, or hire a licensed surveyor to perform, any necessary spot checks for verification. All surveying must be in accordance with the requirement of LAPELS.
18. Any proposed changes in plans or in the nature of the work will be pre-approved in writing by the DOTD, prior to the performance of stipulated work.
19. The consultant shall Plan changes throughout the life of the project will also have to be written by the Consultant and approved through the Department's process.
20. The Consultant shall monitor and document all construction claims in accordance with the appropriate EDSM, and provide recommendations on disposition of claims.
21. The Consultant shall manage the RFI (Request for Information) process as defined on the DOTD internet site, <http://www.dotd.la.gov/construction/rfi/>.
22. The Consultant shall be responsible for performing and documenting inspections of erosion control measures as well as ensuring compliance with the Storm Water Pollution Prevention Plan (SWPPP) and all other DEQ, Army Corp of Engineers, and U.S. Coast Guard Permits.
23. DOTD requires that the consultant assign a fulltime-consultant project engineer to this project. The assigned project engineer must be knowledgeable of all facets of the contractor's operations. The project engineer shall have electronic linkage capability via cell phone, fax machine, and Internet for transmitting and receiving relevant contractual information and arranging for onsite operations. The project engineer must be physically capable of responding to the DOTD Coordinator within (30) minutes. The project engineer's office should be in such proximity to the project that he may be on site within 30 minutes during normal work hours.
24. The Consultant is required to perform any other duties normally required by DOTD Project Engineer's Office as directed by the DOTD Coordinator.
25. The Consultant is required to disseminate press releases to the local media outlets pertaining to project status and any anticipated traffic pattern changes on a timely basis. The DOTD Coordinator will approve all press releases prior to dissemination by the consultant.
26. The Consultant is required to review and approve the contractor's Critical Path Method (CPM) for Construction Progress Scheduling submissions for the project in compliance with the Special Provisions of the Construction Proposal.

## **FHWA FORM 1391**

The Consultant shall be required to notify the contractor and forward to the DOTD Compliance Section and the DOTD Coordinator all information required for the Federal Aid Construction Contractor's Annual EEO Report.

### **SERVICES TO BE PERFORMED BY THE DOTD**

The DOTD will furnish, without charge, the following services and data:

1. Provide laboratory testing of materials. DOTD's District 08 Testing Laboratory in Rapides Parish will perform laboratory tests in conjunction with specialty testing performed at the DOTD Central Laboratory in Baton Rouge, Louisiana, using samples procured, and submitted by the Consultant and/or his staff.
2. Provide access to project plans and contract proposals.
3. Provide sampling plan for the project.
4. DOTD Structural/Marine Fabrication Engineer will retain oversight of all shop and fabrication inspection.
5. Provide review and approval of any project shop drawings generated by the contractor.
6. Provide boring and CPT data, and pile order lengths.
7. Provide technical support for electrical and signal work, if required.
8. Provide traffic data, if required.
9. Provide sampling plan for the project.
10. Provide Site Manager Instructor and technical support.
11. Provide asphalt concrete plant inspection if required.

### **REFERENCES**

All services documents will meet the standard requirements as to format and content of the DOTD; and will be prepared in accordance with the latest applicable editions, supplements and revisions of the following:

1. AASHTO Standards, ASTM Standards or DOTD Test Procedures
2. DOTD Location and Survey Manual
3. DOTD Roadway Design Procedures and Details
4. DOTD Hydraulics Manual
5. DOTD Standard Specifications for Roads and Bridges
6. Manual of Uniform Traffic Control Devices
7. DOTD Traffic Signal Design Manual
8. National Environmental Policy Act (NEPA)
9. National Electric Safety Code
10. National Electric Code (NFPA 70)
11. DOTD Environmental Impact Procedures (Vols. I-III)
12. Policy on Geometric Design of Highways and Streets
13. Construction Contract Administration Manual

14. Materials Sampling Manual
15. DOTD Bridge Design Manual
16. Consultant Contract Services Manual
17. Geotechnical Engineering Services Document
18. Bridge Inspectors Reference Manual
19. Engineering Directives and Standards Manual (EDSM)

### **COMPENSATION**

Compensation to the Consultant for services rendered in connection with this Contract shall be based on (Construction Contractor working days and final estimate package), and established billable rates with a maximum limitation of **\$5,004,252**.

The Consultant may request to have the initial billable rates updated on a yearly basis based on the latest DOTD escalation rate. However, any adjustment to the Contract billable rates shall not be cause for an increase in the maximum compensation limitation imposed herein.

All travel related expenses will be compensated under direct expenses, and will be in accordance with Louisiana Office of State Travel regulations found at: <http://www.doa.louisiana.gov/osp/travel/travelpolicy.htm>. Vehicle rental rates will require prior approval from the DOTD Project Manager.

### **CONTRACT TIME**

The services under this Contract will commence promptly upon receipt of the written Notice-to-Proceed (NTP) from the DOTD Consultant Contract Services Section, and will be in effect for the duration of the construction period, and an additional (60 calendar days) for the final estimate package. DOTD will establish the delivery schedule for all project deliverables.

### **QUALITY CONTROL/QUALITY ASSURANCE**

The DOTD requires the Consultant to develop a Quality Control/Quality Assurance program or adopt DOTD's program in order to provide a mechanism by which all construction plans can be subject to a systematic and consistent review. Consultants must ensure quality and adhere to established design policies, procedures, standards, and guidelines in the preparation and review of all design products. The DOTD shall provide limited input and technical assistance to the consultant. The Consultant's plans shall meet or exceed DOTD's Construction Plans Quality Control / Quality Assurance Manual and EDSM No. Volume I. 1.1.24 on Plan Quality. The Consultant shall transmit plans with a DOTD Quality Control/Quality Assurance Checklist, Documentation Manual for Project Delivery, and a certification that the plans meet the DOTD's quality standards.

## MINIMUM PERSONNEL REQUIREMENTS

Meet all the following requirements at the time of submittal:

1. At least one Principal of the Prime-Consultant must be a Professional Engineer registered in the State of Louisiana.
2. The Prime-Consultant must employ on a full-time basis, one Professional Civil Engineer, registered in the State of Louisiana, with at least five years of experience in responsible charge of managing road and bridge construction projects and a corresponding support staff. He/she will be assigned directly to this project on a full time basis and must have adequate experience in the construction of major river crossings, including but not limited to cofferdams and mass pours.
3. In addition to the above requirements, the Prime-Consultant must employ on a full-time basis, or through the use of a Sub-Consultant, one Professional Civil Engineer, registered in the State of Louisiana, with at least five years of experience in the use of Critical Path Scheduling and Primavera software for the review and monitoring of the Contractor's schedule. (This person may meet multiple requirements set forth above.)
4. In addition to the above requirements, the Prime-Consultant must employ on a full-time basis, or through the use of Sub-Consultant(s), DOTD Certified Inspectors. For staffing estimation purposes, establish a baseline of three certified inspectors. DOTD must approve any increase or reduction from this project-staffing baseline. Ultimately, the Consultant's staffing levels shall adequately reflect the needs of the project. Each certified inspector must have a minimum of five years experience in Road and Bridge Construction, and at least one must be familiar with and have experience in river pier construction utilizing cofferdam procedures. Inspectors may only be in responsible charge of activities in which they hold an active DOTD certification. The major activities listed below require certified inspectors:
  - a. Structural Concrete
  - b. Embankment and Base Course
  - c. Asphalt Paving
  - d. PCC Paving

**NOTE:** At least two field inspectors shall have completed the Work Zone Traffic Control Technician and Flagger course. The lead field technician (identified in SF 24-102) and project engineer shall have completed the Traffic Control Supervisor course. (Certifications required with submittal of qualifications)

**Certifications of Compliance must be submitted with and made part of the Consultants Standard Form 24-102 for all Personnel Requirements listed herein.**

## EVALUATION CRITERIA

The general criteria to be used by DOTD (when applicable) in evaluating responses for the selection of a Consultant to perform these services are:

1. Consultant's firm experience on similar projects, weighting factor of 3;
2. Consultant's personnel experience on similar projects, weighting factor of 4;
3. Consultant's firm size as related to the estimated project cost, weighting factor of 3;
4. Consultant's past performance on similar DOTD projects, weighting factor of 6;\*\*
5. Consultant's current workload, weighting factor of 5;
6. Location where the work will be performed, weighting factor of 4.

\*\*DOTD will use the Construction Engineering Services (CS) performance rating for this project.

The complexity level for this contract is: **Complex**.

Consultants will be evaluated as indicated in Items 1- 6. The evaluation will be by means of a point-based rating system. Each of the above criteria will receive a rating on a scale of 0-4. The rating will then be multiplied by the corresponding weighting factor. The firm's rating in each category will then be added to arrive at the Consultant's final rating.

If Sub-Consultants are used, each member of the Consultant/Team will be evaluated on their part of the contract, proportional to the amount of their work. The individual team member ratings will then be added to arrive at the Consultant/Team rating.

### Communication Protocol

DOTD's Project Evaluation Team will be responsible for performing the above described evaluation, and will present a short-list of the three (if three are qualified) highest rated Consultants to the Secretary of the DOTD. The Secretary will make the final selection.

1. Debbie Guest – Ex officio
2. Troy Roussell – Project Coordinator
3. Randy Michiels
4. John Eggers
5. Danny Smith
6. Bruce Perdue

### Rules of Contact (Title 48 Engineering and Related Services)

These rules are designed to promote a fair, unbiased, legally defensible selection process. The LA DOTD is the single source of information regarding the Contract selection. The following rules of contact will apply during the Contract selection process and will commence on the date of advertisement and cease at the contract execution by the selected firm. Contact includes face-to-face, telephone, facsimile, Electronic-mail (E-

mail), or formal written communications. Any contact determined to be improper, at the sole discretion of the LA DOTD, may result in the rejection of the submittal (SF 24-102):

- A. The Consultant shall correspond with the LA DOTD regarding this advertisement only through the LA DOTD Consultant Contracts Services Administrator;
- B. The Consultant, nor any other party on behalf of the Consultant, shall not contact any LA DOTD employees, including but not limited to, department heads; members of the evaluation teams; and any official who may participate in the decision to award the contract resulting from this advertisement except through the process identified above. Contact between Consultant organizations and LA DOTD employees is allowed during LA DOTD sponsored one-on-one meetings;
- C. Any communication determined to be improper, at the sole discretion of the LA DOTD, may result in the rejection of submittal, at the sole discretion of the LA DOTD;
- D. Any official information regarding the project will be disseminated from the LA DOTD'S designated representative on the LA DOTD website. Any official correspondence will be in writing;
- E. The LA DOTD will not be responsible for any verbal exchange or any other information or exchange that occurs outside the official process specified herein.

**By submission of a response to this RFQ, the Consultant agrees to the communication protocol herein.**

### **CONTRACT REQUIREMENTS**

The selected Consultant will be required to execute the contract within 10 days after receipt of the contract.

**INSURANCE** - During the term of this contract, the Consultant will carry professional liability insurance in the amount of **\$2,000,000**. The Prime Consultant may require the Sub-consultant(s) to carry professional liability insurance. This insurance will be written on a "claims-made" basis. Prior to executing the contract, the Consultant will provide a Certificate of Insurance to DOTD showing evidence of such professional liability insurance.

**AUDIT** - The selected Consultant/Team will allow the DOTD Audit Section to perform an annual overhead audit of their books, or provide an *independent* Certified Public Accountant (CPA) audited overhead rate. This rate must be developed using Federal Acquisition Regulations (FAR) and guidelines provided by the DOTD Audit Section. In addition, the Consultant/Team will submit semi-annual labor rate information, when requested by DOTD.



The selected Consultant/Team will maintain an approved Project Cost System and segregate direct from indirect cost in their General Ledger. Pre-award and post audits, as well as interim audits, may be required. For audit purposes, the selected Consultant/Team will maintain accounting records for a minimum of five years after final contract payment.

Any Consultant currently under contract with the DOTD and who has not met all the audit requirements documented in the manual and/or notices posted on the DOTD Consultant Contract Services Website ([www.dotd.louisiana.gov](http://www.dotd.louisiana.gov)) will not be considered for this project.

### **SUBMITTAL REQUIREMENTS**

One original (**stamped original**) and **five** copies of the SF 24-102 must be submitted to DOTD. **Copies of the Inspector's certification card (indicating the date of expiration), must be included in the SF 24-102.** All submittals must be in accordance with the requirements of this advertisement and the Consultant Contract Services Manual. Any Consultant/Team failing to submit any of the information required on the SF 24-102, or provide inaccurate information on the SF 24-102, will be considered non-responsive.

Any Sub-Consultants to be used, including Disadvantaged Business Enterprises (DBE), in performance of this Contract must also submit a SF 24-102, which is completely filled out and contains all information pertinent to the work to be performed.

The Sub-Consultant's SF 24-102 must be firmly bound to the Consultant's SF 24-102. In Section 9, the Consultant's SF 24-102 must describe the **work elements** to be performed by the Sub-Consultant(s), and state the approximate **percentage** of each work element to be subcontracted to each Sub-Consultant.

Name(s) of the Consultant/Team listed on the SF 24-102, must precisely match the name(s) filed with the Louisiana Secretary of State, Corporation Division, and the Louisiana State Board of Registration for Professional Engineers and Land Surveyors.

The SF 24-102 will be identified with State Project No. **840-43-0001** and will be submitted **prior to 3:00 p.m. CST on Monday, July 19, 2010**, by hand delivery or mail addressed to:

Department of Transportation and Development  
Attn.: Ms. Debra L. Guest, P.E.  
Contracts Administrator  
1201 Capitol Access Road, **Room 405-T**  
Baton Rouge, LA 70802-4438 or  
Telephone: (225) 379-1733

## **REVISIONS TO THE RFQ**

DOTD reserves the right to revise any part of the RFQ by issuing an addendum to the RFQ at any time. Issuance of this RFQ in no way constitutes a commitment by DOTD to award a contract. DOTD reserves the right to accept or reject, in whole or part, all Qualification Statements submitted and/or cancel this announcement if it is determined to be in DOTD's best interest. All materials submitted in response to this announcement become the property of DOTD and selection or rejection of a submittal does not affect this right. DOTD also reserves the right, at its sole discretion, to waive administrative informalities contained in the RFQ.